

INTERNATIONAL SEARCH REPORT

International Application No
PC 1, 1 B2004/052400

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L25/02 H04B7/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/075471 A2 (COGNIO, INC; TESFAI, YOHANNES; VAIDYANATHAN, CHANDRA; SUGAR, GARY, L) 12 September 2003 (2003-09-12) abstract; figures 1-3 page 1, line 10 - page 3, line 7	1-14
X	US 2003/031234 A1 (SMEE JOHN EDWARD ET AL) 13 February 2003 (2003-02-13) paragraphs '0029!', '0059!', '0060!; claim 1; figures 9,13	1-14
X	EP 1 276 251 A1 (SONY INTERNATIONAL GMBH) 15 January 2003 (2003-01-15) abstract; figure 1 paragraph '0022! - paragraph '0028! paragraph '0032! - paragraph '0034! paragraph '0043! - paragraph '0046! paragraph '0066! - paragraph '0075!	1-14
-/--		

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

15 February 2005

Date of mailing of the international search report

24/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Katruff, M

INTERNATIONAL SEARCH REPORT

International Application No
PCT/IB2004/052400

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 650 881 B1 (DOGAN MITHAT C) 18 November 2003 (2003-11-18) paragraph '0045!; figure 6 _____	1,8
A	EP 0 892 504 A2 (CSELT) 20 January 1999 (1999-01-20) page 2, line 39 - line 43 page 3, line 15 - line 56; figure 2 page 7, line 53 - line 55 _____	1-14

INTERNATIONAL SEARCH REPORT

 Intr 1st Application No
 PCT/JP2004/052400

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03075471	A2	12-09-2003	AU 2003219882 A1	16-09-2003
			US 2004136466 A1	15-07-2004
			AU 2003213558 A1	16-09-2003
			AU 2003219879 A1	16-09-2003
			AU 2003219881 A1	16-09-2003
			WO 03075396 A2	12-09-2003
			WO 03075469 A2	12-09-2003
			WO 03075470 A2	12-09-2003
			US 2003165187 A1	04-09-2003
			US 2004072546 A1	15-04-2004
			US 2003181165 A1	25-09-2003
			US 6687492 B1	03-02-2004
			US 2004087275 A1	06-05-2004
			US 2004219937 A1	04-11-2004
US 2003031234	A1	13-02-2003	EP 1404175 A2	07-04-2004
			WO 03061380 A2	31-07-2003
EP 1276251	A1	15-01-2003	NONE	
US 6650881	B1	18-11-2003	NONE	
EP 0892504	A2	20-01-1999	IT T0970633 A1	14-01-1999
			NO 982248 A	15-01-1999
			US 6330294 B1	11-12-2001